

IN THE CLAIMS:

Please cancel originally filed claims 1-11 and substitute new claims 12-18 as follows:

1.-11. (Canceled)

12. (New) A compressor machine, comprising:

- a housing;
- two parallel, spaced apart shafts mounted in the housing;
- intermeshing toothed gears mounted on the shafts, one of the shafts being driven directly and the other by said intermeshing toothed gears;
- two rotors rotating in opposite directions, which are fitted to the two parallel, spaced apart shafts;
- the housing including
 - axial passages;
 - two radial walls which are configured in one piece with each other and with a peripheral wall;
 - the shafts being mounted between the radial walls;
 - the toothed gears being arranged between the radial walls;
 - one of the radial walls being a radial outer wall and the other an intermediate wall which on one side thereof defines together with the radial outer wall a gear chamber receiving the toothed gears and on the other side thereof defines a working chamber receiving the rotors;

- on an end-face facing away from the intermediate wall, the working chamber is sealed by a radial housing cover;
- the intermediate wall has axial through openings for accommodating shaft bearings having a width larger than that of the axial bearing bores in the radial outer wall;
- a side wall having an opening sealed by a removable lateral cover;
- the housing constituting a monobloc base body that has an opening at an end face facing the housing cover, said opening having a width that is the largest among said axial passages and bore holes located inside the housing, making them accessible for machining though this opening in one set-up of the base body.

13. (New) The compressor machine according to claim 1, wherein the rotors are cantilever-mounted on the shafts.
14. (New) The compressor machine according to claim 1, wherein on the end face facing away from the intermediate wall, the working chamber is sealed by a housing cover having an outlet port formed therein which upon rotation of the rotors is exposed subsequent to a phase of internal compression and is closed by the end face of one of the rotors during an inlet phase.
15. (New) The compressor machine according to claim 1, wherein a bearing cover plate is applied to the intermediate wall on the side of the rotors.
16. (New) The compressor machine according to claim 4, wherein the bearing cover plate has recesses for receiving shaft seals.
17. (New) The compressor machine according to claim 1, wherein connected to the radial housing cover is a hood enclosing a fan.

18. (New) The compressor machine according to claim 1, wherein the peripheral wall of the housing is surrounded by a hood defining axial cooling air ducts together with the peripheral wall, the cooling air ducts extending from the end face adjacent to the housing cover up to a fan arranged on a driving shaft on the side of the gear chamber facing away from the working chamber.